References

Altman, P.L. and D.S. Dittmer. 1972. Biology data book, 2nd edn. Wiley, Bethesda.

Chi S.C., W.W. Hu and B.J. Lo, 1999. Establishment and characterization of a continuous cell line (GF-1) derived from grouper, *Epinephelus coioides* (Hamilton): a cell line susceptible to grouper nervous necrosis virus (GNNV). *J. Fish. Dis.,* **22:** 173–182.

Chi, S.C., W.W. Hu and B.J. Lo, (1999) Establishment and characterization of a continuous cell line (GF-1) derived from grouper, *Epinephelus coioides*: a cell line susceptible to grouper nervous necrosis virus (GNNV). *J. Fish. Dis.,* **22:**173–182.

Fryer, J.L and C.N. Lannan. 1994. Three decades of fish cell culture: a current listing of cell lines derived from fish. *J. Tissue Culture Methods,* **16:**87–94.

Hamsa, K.M.S.A. and H. M. Kasim. 1992. Growth and production potential of young grouper *Epinephelus tauvina* (Forskal) reared in fixed net cages. *J. Mar. Biol Ass. India, 34 (1&2):* 271-276.

Huang, X., Y. Huang, J. Sun, X. Han and Q. Qin. 2009. Characterization of two grouper *Epinephelus akaara* cell lines: application to studies of Singapore grouper iridovirus (SGIV) propagation and virus–host interaction. *Aquaculture,* **292:**172–179.

Jagadis I., B. Ignatius, D. Kandasami, Md. Ajmal Khan. 2006. Embryonic and larval development of honeycomb grouper *Epinephelus merra* Bloch. *Aquaculture Res.,* **37 (11):**1140-1145.

Ku, C.C., Y.C. Teng, C.S. Wang and C.H. Lu. 2009. Establishment and characterization of three cell lines derived from the rockfish grouper *Epinephelus quoyanus*: Use for transgenic studies and cytotoxicity testing. *Aquaculture,* **294:**147–151.

Lakra, W.S., T.R. Swaminathan and K.P. Joy. 2011. Development, characterization, conservation and storage of fish cell lines: a review *Fish Physiol. Biochem*., **37:** 1–20.

Mao, J., D.E. Green, G. Fellers and V.G. Chinchar. 1999. Molecular characterization of iridoviruses isolated from sympatric amphibians and fish. *Virus Res.,* **63:**45-52.

Oshima, S., J.I. Hata, N. Hirasawa, T. Ohtaka, I. Hirono, T. Aoki and S. Yamashita. 1998. Rapid diagnosis of red sea bream iridovirus infection using the polymerase chain reaction. *Dis. Aquat. Org.,* **32:**87-90.

Pillai, V.N., V.S.R. Murthy and G.Mathew. 2002. Grouper Aquaculture in India. Report of the Regional Workshop on Sustainable Sea farming and Grouper Aquaculture, Medan, Indonesia. 17-20 April, 2000. Network of Aquaculture Centres in Asia Pacific, Bangkok, Thailand, 224pp.

Qin, Q.W., T.H. Wu, T.L. Jia, A. Hegde and R.Q. Zhang. 2006. Development and characterization of a new tropical marine fish cell line from grouper, *Epinephelus coioides* susceptible to iridovirus and nodavirus. *J. Virol. Methods,* **131:**58–64.

Qin, Q.W., T.H. Wu, T.L. Jia, A. Hegde and R.Q. Zhang. 2006. Development and characterization of a new tropical marine fish cell line from grouper, *Epinephelus coioides* susceptible to iridovirus and nodavirus. *J. Virol. Methods,* **131:**58–64.

Rimmer, M. A. 2004. Advances in Grouper Aquaculture. In: Rimmer M.A., McBride and K.C. Williams (Eds.). ACIAR Monograph 110. Australian Centre for International Agricultural Research, Canberra, Australia, 134 pp.

Sobhana K. S., George, K. C., Ravi, G.V., Ittoop G and Paulraj R. 2009. Development of a Cell Culture System from Gill Explants of the Grouper, *Epinephelus malabaricus* (Bloch and Shneider). Asian Fisheries Science **22:** 1-6.

Swaminathan, T.R., W.S. Lakra, A. Gopalakrishnan, V.S. Basheer, B. Khushwaha and K.A. Sajeela. 2010. Development and characterization of a new epithelial cell line PSF from caudal fin of Green chromide, *Etroplus suratensis* (Bloch, 1790). *In vitro Cell. Dev. Biol*. Anim,. 46(8):647-56.

Walton, A. And V.J. Smith. 1999. Primary culture of the hyaline haemocytes from marine decapods. *Fish and Shellfish Immunol.,* **9:**181–194.

Wolf, K. and C. Quimby. 1976. Primary monolayer culture of fish cells initiated from trypsinized tissues. *TCA Manual,* **2:**453–456.

Zhou, G.Z., Z.Q. Li, X.P. Yuan and Q.Y. Zhang. 2007. Establishment, characterization, and virus susceptibility of a new marine cell line from red spotted grouper (*Epinephelus akaara*). *Mar. Biotechnol.,* **9:**370–376.

****